

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Applicant(s): Brent L. Carpenter | Attorney Docket No.: 432081 |
| Application Serial No.: 10/535,329 | Art Unit: 2863 |
| Filed: 05/18/2005 | Examiner: Bhat, Aditya S. |
| Title: Systems and Methods for Measuring a Material Property | |

March 27, 2008

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE

Applicant is responding to the Office Action mailed January 2, 2008.

Amendments to the claims begin on page 2 of this paper.

Remarks begin on page 9 of this paper.

A 'clean' set of claims begins on page 11 of this paper.